Title (en)

METHOD FOR THE CAMERA-ASSISTED DETECTION OF THE RADIATION INTENSITY OF A GASEOUS CHEMICAL REACTION PRODUCT AND USES OF SAID METHOD AND CORRESPONDING DEVICE

Title (de)

VERFAHREN ZUR KAMERAGESTÜTZEN ERFASSUNG DER STRAHLUNGSINTENSITÄT EINES GASFÖRMIGEN CHEMISCHEN REAKTIONSPRODUKTES SOWIE ANWENDUNGEN DES VERFAHRENS UND KORRESPONDIERENDE VORRICHTUNG

Title (fr)

PROCÉDÉ DE DÉTECTION, ASSISTÉ PAR CAMÉRA, DE L'INTENSITÉ DE RAYONNEMENT D'UN PRODUIT DE RÉACTION CHIMIQUE GAZEUX, APPLICATIONS DU PROCÉDÉ ET DISPOSITIF CORRESPONDANT

Publication

EP 2132543 A1 20091216 (DE)

Application

EP 08734599 A 20080311

Priority

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Abstract (en)

[origin: WO2008110341A1] The invention relates to a method for the camera-assisted detection of the radiation intensity of a particularly gaseous chemical reaction product. According to the invention, an RGB color camera (8) is used to detect the radiation intensity of a reaction product in a red, green or blue wavelength range. The respective blue signal (IB) of the RGB color camera (8) is used to produce a band radiation value (BS) of the respective reaction product. The respective red and/or green signal (IR, IG) of the RGB color camera (8) is used to produce a thermal radiation value (TS) by means of pyrometry or comparative pyrometry. The difference of the respective range radiation value (BS) and the respective associated thermal radiation value (TS) is used to produce an emission rate (K) for the radiation intensity of the respective reaction product.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2008110341A1

Designated contracting state (EPC)

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